

Before the
FEDERAL COMMUNICATIONS COMMISSION
 Washington, D.C. 20554

330

In the Matter of)
)
 Amendment of Section 73.606(b))
 Table of Allotments)
 Television Broadcast Stations)
 and Amendment of Section 73.622(b))
 Table of Allotments)
 Digital Television Stations)
 (Campbellsville and)
 Bardstown, Kentucky))

MM Docket No.
 RM -

RECEIVED

DEC 29 2000

FEDERAL COMMUNICATIONS COMMISSION
 OFFICE OF THE SECRETARY

To: Chief, Allocations Branch
 Policy & Rules Division
 Mass Media Bureau

PETITION FOR RULE MAKING

Louisville Communications, LLC ("Petitioner"), licensee of UHF TV Station WBKI-TV, Channel 34, Campbellsville, Kentucky, by its counsel, hereby petitions the Commission, pursuant to Section 1.420 of the Commission's Rules, for amendment of the Commission's Tables of Television Allotments (Sections 73.606(b) and 73.622(b) of the Commission's Rules) to (1) reallocate UHF TV Channel 34 from Campbellsville to Bardstown, Kentucky; (2) reallocate paired DTV Channel 19 from Campbellsville to Bardstown; and (3) modify Petitioner's authorizations for Station WBKI-TV accordingly. Grant of this petition will provide Bardstown with its first local television service. In support hereof, Petitioner states as follows:

- Under the Commission's decision in *Modification of FM and TV Authorizations to Specify a New Community of License*, 4 FCC Rcd 4870 (1989), *recon.*, 5 FCC Rcd 7094 (1990), the Commission stated that the proposal must be mutually exclusive with the current authorization and

the new community must be preferred under the Commission's allocation priorities. As indicated in the attached engineering statement the proposal is mutually exclusive with the current facility. Accordingly, the Commission may reallocate Channel 34 to Bardstown without granting an opportunity to other parties to file competing expressions of interest.

2. The Commission's obligation under Section 307(b) of the Communications Act of 1934, as amended, (the "Act") is to provide a "fair, efficient and equitable distribution of radio service" to the various cities and communities across the country. The priorities for distributing television stations equitably across the country are:

(1) to provide at least one television service to all parts of the United States, (2) to provide each community with at least one television broadcast station, (3) to provide a choice of at least two television services to all parts of the United States, (4) to provide each community with at least two television broadcast stations, and (5) to assign any remaining channels to communities based on population, geographic location, and the number of television services available to the community from stations located in other communities.

Sixth Report and Order, 41 FCC 148, 167 (1952) ("Television Allocation Priority Policy").

3. Bardstown, Kentucky is an established community whose residents share common interests and identity with their community. Bardstown fully satisfies the FCC definition of "community" for allotment purposes and is deserving of a first local service. See e.g., *Johnstown and Jeanette, Pa*, 12 FCC Rcd 10300 (1997). Bardstown had a population of 6,801 according to the 1990 U.S. Census. Bardstown serves as the county seat for Nelson County, the fastest growing county in Kentucky. Bardstown's updated census estimate population is approximately 9,000. There is a mayor/city council form of government and a city manager. Bardstown has its own post office and zip code (40004). Bardstown operates its own police department with approximately 17 full-time officers, and a fire department, with three full-time firefighters and a number of volunteers.

Bardstown provides a number of different municipal services to its residents, including electricity, water, sewer and trash collection services. Children attend schools within the Bardstown Independent School District, which include Bardstown High School, Middle School and Elementary School, as well as an Early Childhood Education Center. In addition, several private K-12 schools are located in Bardstown. Bardstown has its own local newspaper, *The Kentucky Standard*. See Exhibit A.

4. Bardstown's distinct cultural identity is reflected in its unique and colorful history, and in its various community events, celebrations and popular attractions. Incorporated in 1788, Bardstown is Kentucky's second-oldest town. It is home to the My Old Kentucky Home State Park, the centerpiece of which is Federal Hill, the mansion that inspired Stephen Foster to write the popular ballad "My Old Kentucky Home." One of the Kentucky's most historic inns, the Old Talbott Tavern, is also located in Bardstown. The Tavern has hosted such famous visitors as King Louis Phillippe of France, Abraham Lincoln, Daniel Boone, Jesse James and James Audubon. Bardstown is also home to the Saint Joseph Proto-Cathedral, the oldest Roman Catholic cathedral west of the Allegheny Mountains. At one time, Bardstown was one of four Roman Catholic dioceses in the new world, along with New York, Boston, and Philadelphia. Also nearby is the famous Abbey of Gethsemani. Founded in the early 1800's by a group of French monks, the abbey continues to operate as a spiritual center, and also manufactures various products for sale throughout the world. In addition to its popular and religious history, Bardstown was the site of a civil war battle on October 4, 1862. See Exhibit A.

5. Bardstown also has a substantial number of attractions and events for its residents and for tourists. Once home to 22 whiskey distilleries, Bardstown is now known as the "Bourbon

Capitol of the World.” It is still the location of the Jim Beam, Maker’s Mark, and Heaven Hill distilleries, all of which offer tours to the public. The Oscar Getz Museum of Whiskey History, with a 50-year collection of rare whiskey artifacts dating from pre-colonial days to post-Prohibition days, is also located in Bardstown. See Exhibit A.

6. In addition to the historic sites noted above, Bardstown also is home to the Civil War Museum at Old Bardstown Village and the Women in Civil War Museum. From June to September, the town’s J. Dan Talbott Amphitheater hosts “Stephen Foster: The Musical,” a review of the composer’s most popular works, including “Oh! Susanna” and “My Old Kentucky Home.” Visitors can also enjoy lunch or dinner on the My Old Kentucky Home Dinner Train, which carries passengers on a 35-mile ride through the Kentucky Countryside in vintage 1940’s dining cars. See Exhibit A.

7. During the past year, Bardstown has hosted a number of events, including the My Old Kentucky Home Festival of Quilts, the Historic Bardstown’s Antique Show and Sale, a Pioneer Craft Show, an annual Bluegrass Music Festival, the Nelson County Fair, the Kentucky Bourbon Festival, the Rolling Fork Iron Horse Festival, Watson’s Pumpkin Festival, the Day of the Wolf Pow Wow, the Bardstown Arts, Crafts & Antique Fair, and the Christmas Arts & Crafts & Holiday Quilt Exhibit. During the weeks before Christmas, the town will also be the location of a number of smaller, holiday-related events, collectively known as Christmas ‘Round Bardstown. See Exhibit A.

8. There are approximately two dozen churches of varying denominations located in Bardstown, including the Bardstown Baptist Church, the First Baptist Church, the Church of God, the Bardstown United Methodist Church, the Calvary Assembly of God, the First Presbyterian

Church and the Jehovah's Witnesses. Community and civic organizations in Bardstown include the Lion's Club, Women's Progressive Club, Rotary International, Veterans of Foreign Wars, American Legion, Kiwanis, Jaycees of Nelson County, International Boy Scouts and Girl Scouts. See Exhibit A.

9. There are dozens of businesses located within the City of Bardstown, as illustrated in the attached business listing. The Bardstown-Nelson County Chamber of Commerce and the Bardstown Industrial Development Corporation promote business development in the community. A number of businesses identify with the City by using "Bardstown" in their name, including: A-1 Paving of Bardstown, Bardstown Barbering & Hair Styling, Bardstown Cinemas, Bardstown Distributing Co., Bardstown Footwear, Bardstown Heating and Air Conditioning, Bardstown Overhead Doors, Bardstown Upholstering, Bardstown Mills, Inc., Bardstown Precasting Co., and Bardstown Steel, Inc. Bardstown residents can obtain medical care at Flaget Memorial Hospital, or from any of a number medical doctors, both general practitioners and specialists, who practice in the community, and receive prescription drugs from pharmacy such as Walmart, Crume Drug Store, Hurst Drug Store and the New Start Health & Nutrition Store. The town also has several dentists, two chiropractors, and an animal hospital. See Exhibit A.

10. The Commission generally grants petitions for rule making to change community of license where the existing community retains local transmission service. Here, Campbellsville will retain local transmission service because Station W04BP is a Class A eligible LPTV station licensed to Campbellsville University and currently provides local service to the residents of Campbellsville. See, *In the Matter of Establishment of a Class A Television Service*, 15 FCC Rcd 6355 (2000) and Certificates of Eligibility for Class A Television Stations Status 15 FCC Rcd 9480 (2000). In its

Report and Order establishing a Class A television service, the Commission acknowledged that “LPTV stations may be the only television station in an area providing local news, weather and public affairs programming. Even in some well-served markets, LPTV stations may provide the only local service to residents of discrete geographical communities within those markets.”¹ The Commission also acknowledged that the LPTV service has significantly increased the diversity of broadcast station ownership, noting that such stations are operated by community groups, colleges and religious organizations.² To protect this localism and diversity of ownership from displacement by other NTSC stations and DTV stations, Congress enacted the Community Broadcasters Protection Act of 1999, directing the Commission to accord Class A protection to qualifying LPTV stations. Under this new policy, LPTV stations will have the benefit and obligation of all Part 73 regulations, including public file, quarterly issues - program lists, children’s programming and EAS requirements (except those regulations that cannot apply for technical reasons).³ The Class A regulations will afford interference protection to Class A LPTV facilities. For example, “full-service analog TV stations [must] protect Class A stations by using the criteria in Section 74.705” of the LPTV rules.⁴ Campbellsville University has filed its statement of eligibility to apply for Class A status and is expected to apply before the deadline for such applications. Therefore, the Commission should recognize W04BP as meeting the prerequisite of providing local television service to the

-
1. *Class A Television Service* at ¶2, citing *First Report and Order, In the Matter of Review of the Commission’s Rules Governing the Low Power Television Service*, MM Docket No. 93-114, 9 FCC Rcd 2555 (1994).
 2. *Class A Television Service* at ¶3.
 3. *Id.* at ¶23.
 4. *Id.* at ¶67.

Campbellsville community, if Petitioner's proposal is adopted and Channels 34 and 19 are deleted from Campbellsville.

11. As far as the DTV allotment proposal is concerned, there is no loss of existing digital service from Campbellsville because the facility remains unbuilt. Petitioner filed its application on November 1, 1999 (BPCDT19991101AKV) and is awaiting approval before construction can begin. The Commission has not been concerned with the removal of potential local service from a community. See e.g., Linden and White Oak, Texas et. al., DA00-2570, released November 9, 2000, citing Glencoe and Le Sueur, Minnesota, 7 FCC Rcd 7651 (1992). See also Saltville, Virginia and Jefferson, North Carolina, 10 FCC Rcd 5234 (1996), review denied, DA 00-409, released November 28, 2000.

TECHNICAL ANALYSIS

12. Petitioner is not changing its site location for its NTSC facility (BLCT20001109ABT). The attached Engineering Statement demonstrates that the WBKI-TV existing site which it intends to use for the Bardstown, Kentucky allotment on Channel 34 meets all applicable FCC spacing requirements, and will provide city grade coverage to Bardstown. As indicated earlier, the channel study demonstrates that the proposed allotment of Channel 34 to Bardstown, Kentucky is mutually exclusive to the current allotment of Channel 34 at Campbellsville, Kentucky.

13. The reallocation of Channel 34 to Bardstown will not result in any loss of existing service because the proposed allotment reference point for Bardstown is the same as the current licensed site for Campbellsville. Thus no gain/loss study is needed. The reallocation of DTV Channel 19 to Bardstown is the same site as that proposed in its pending application

(BPCDT19991101AKV). This site complies with the Commission's technical requirements if allotted to Bardstown. Since the application site is the same as the proposed allotment site for Bardstown, no gain/loss study is required. There will be a change in theoretical service from the existing allotment reference coordinates for DTV Channel 19 at Campbellsville. The Engineering Statement indicates there will be an increase in 41 dBu service to 1,454,526 persons. Although the theoretical loss area will continue to have adequate television reception service. See Engineering Statement. In addition, Campbellsville will continue to be covered by the 57 dBu principal community contour from the new Channel 19 reference site.⁵ Should Channels 34 and 19 be reallocated to Bardstown, Petitioner will file an application to specify the new community of license.


5. This factor was deemed to be important in Ardmore, OK and Sherman, TX, 7 FCC Rcd 4846 (1992).

CONCLUSION

14. Accordingly, Petitioner respectfully requests that the Commission amend the Tables of Television Allotments (Sections 73.606(b) and 73.622(b)) by issuing a Notice of Proposed Rule Making to reallocate Channels 34 and 19 from Campbellsville to Bardstown, Kentucky, and amend Petitioner's authorizations respectively to provide Bardstown with a first local television service.

Respectfully submitted,

Louisville Communications, LLC

By: 
Mark N. Lipp
Tamara Y. Brown
Shook, Hardy & Bacon
600 14th Street, N.W., Suite 800
Washington, D.C. 20005
(202) 783-8400

Its Counsel

December 28, 2000



STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF A PETITION
TO AMEND THE TV AND DTV
TABLES OF ALLOTMENTS
WBKI-TV, CAMPBELLSVILLE, KENTUCKY

Prepared for: Louisville Communications, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a registered Professional Engineer in the Commonwealth of Virginia, Registration No. 7418, and in the State of New York, Registration No. 63418.

GENERAL

This office has been authorized by Louisville Communications, L.L.C., licensee of full-service UHF television station WBKI-TV, Campbellsville, Kentucky, to prepare this statement in support of a Petition to Amend the Analog Television (TV) and Digital Television (DTV) Tables of Allotments, Sections 73.606(b) and 73.622(b) of the FCC Rules. Specifically, WBKI-TV proposed to change the city of license from Campbellsville, Kentucky, to Bardstown, Kentucky. This proposed change in the city of license entails absolutely no changes in the licensed NTSC technical parameters of WBKI-TV. The licensed NTSC TV facilities of WBKI-TV conform to the requirements of §73.685(a) regarding principal community coverage for both Campbellsville and Bardstown. No change in the WBKI-TV NTSC service area is herein proposed.

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 2

It is, however, proposed to modify the technical parameters, including HAAT, ERP, directional antenna pattern, and transmitter site of the WBKI digital television (DTV) facility as specified in a pending application, BPCDT-19991101AKV. The proposed relocation of the pending WBKI-DTV transmitter site allows for significant improvements in the predicted DTV signal coverage for the station. Although the DTV site specified in the pending application, co-located with the NTSC licensed site, can provide "city-grade" DTV coverage to both Campbellsville and Bardstown, the alternate site proposed herein can also provide "city-grade" DTV coverage to Campbellsville and Bardstown while providing for significant improvement in the expected DTV service.

PROPOSED ANALOG TELEVISION (NTSC) FACILITY

City of License

The community of Campbellsville, Kentucky is the city of license specified in the analog television Table of Allotments for station WBKI-TV. The petitioner requests herein to substitute the community of Bardstown, Kentucky as the city of license. No other changes are proposed, and the technical parameters of WBKI-TV, including transmitter location, will remain unchanged. An engineering study of all pertinent allotments, assignments and applications revealed that DTV Channel 19 can be allotted to Bardstown, Kentucky. The existing authorized WBKI-TV analog facility meets the allotment standards and the city-grade coverage requirements of Bardstown, Kentucky, pursuant to 47 C.F.R. §73.685.

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 3

The petitioner therefore requests that Section 73.606 of the FCC Rules be modified in the following manner:

| | | |
|-----------|--------------------|----------|
| Present: | City of License: | Channel: |
| | Campbellsville, KY | 34 |
| Proposed: | City of License: | Channel: |
| | Bardstown, KY | 34 |

PROPOSED DIGITAL TELEVISION (DTV) FACILITY

City of License

The community of Campbellsville, Kentucky is the city of license specified in the digital television Table of Allotments for station WBKI-DTV. The petitioner requests that Section 73.622(b) of the FCC Rules be modified in the following manner:

| | | |
|-----------|--------------------|----------|
| Present: | City of License: | Channel: |
| | Campbellsville, KY | 19 |
| Proposed: | City of License: | Channel: |
| | Bardstown, KY | 19 |

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 4

The community of Bardstown will be completely encompassed by both the 41 dBu, and 57 dBu F(50,90) coverage contours of the proposed WBKI-DTV facility (Exhibit 1). As community coverage requirements will be met in this instance, the proposed transmitter location and the proposed technical facility are acceptable pursuant to 47 C.F.R. § 73.625(a)(1). The current principal community, Campbellsville, Ky, will continue to be covered by both the 41 dB and the 57 dB F(50,90) coverage contours of the proposed WBKI-DTV facility.

Exhibit 1A shows a comparison of the 41 dB F(50,90) contours of the proposed WBKI-DTV facility and the pending application for construction permit (BPCDT-19991101AKV) at the existing NTSC site, and potential gain and loss areas with their associated population figures. The potential loss area's other services are provided as well.

Technical Parameters

The petitioner herein proposes to amend the DTV Channel 19 allotment reference coordinates and the proposed DTV channel 19 technical parameters. The amended allotment reference coordinates for DTV Channel 19 at Bardstown, Kentucky are 37° 56' 54" N.L. and 85° 14' 04" W.L. A summary of the technical data for the proposed DTV Channel 19 at Bardstown, KY, is contained below:

| | |
|---------------------------|---------------------------------------|
| DTV Channel: | 19 |
| Coordinates (NAD-27): | 37° 56' 54" N.L. and 85° 14' 04" W.L. |
| Effective Radiated Power: | 1000 kW (directional) |

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 5

| | |
|--|---------------|
| Antenna Height Above Mean Sea Level: | 575 meters |
| Antenna Height Above Average Terrain: | 365 meters |
| Antenna Type: | Andrew ATW-T2 |

Proposed Directional Antenna

The applicant proposes to mount an Andrew ATW-T2 "trilobe pattern" type directional transmitting antenna on the proposed support structure. Attached as Exhibit 1 is a coverage map of the proposed facility, utilizing the above mentioned pattern. Exhibit 2 is a polar plot of the proposed antenna's horizontal plane radiation pattern in relative field. Exhibit 3 is a tabulation of the proposed directional antenna's horizontal plane radiation pattern at ten degree intervals in relative field, kW and dBk. A Vertical Plan Antenna Sketch is provided in Exhibit 4.

The proposed trilobe pattern is necessary for the protection of NTSC co-channels WXIX-TV, Newport, Kentucky, WAZE-TV, Madisonville, KY, and WHNT-TV, Huntsville, Alabama.

ALLOCATION CONSIDERATIONS

Studies using the FCC's "FLR" interference prediction program indicated that the proposed DTV Channel 19 allotment satisfies the technical criteria specified in Section 73.623(c)(2) with respect to all pertinent NTSC and DTV allotments and assignments. Additionally, these results were verified using the FCC's "TV_Process" program.

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 6

As illustrated in Appendix A, in no instance does the DTV proposal result in an increase in the amount of predicted interference exceeding either the 2% or 10% *de minimis* interference thresholds. Based on the FLR studies described above, it was determined that the proposed WBKI-DTV facility is predicted to cause an additional interference to the following stations:

| Station | New Interference |
|---|------------------|
| WAZE-TV Channel 19, Madisonville, Kentucky | 0.16% |
| WXIX-TV Channel 19, Newport, Kentucky | 1.13% |
| WVAH-DT Channel 19, Charleston, West Virginia | 0.07% |
| WBNA-TV Channel 21, Louisville, Kentucky | 0.14% |
| WKPC-TV Channel 15, Louisville, Kentucky | 0.28% |
| WLEX-TV Channel 18, Lexington, Kentucky | 1.05% |
| WKZT-TV Channel 23, Elizabethtown, Kentucky | 0.14% |
| WUSI-DT Channel 19, Olney, Illinois | 1.28% |

The additional predicted interference to be caused by the proposed facility of WBKI-DTV is less than the 2% *de minimis* interference allowed by the Rules in all instances. Furthermore, the additional interference predicted to be caused by WBKI-DTV does not increase the cumulative predicted interference level to any station above the 10% *de minimis* level allowed by FCC Rules.

STATEMENT OF JOHN E. HIDLE, P.E.
PETITION TO AMEND THE TABLES OF ALLOTMENTS
Page 7

SUMMARY

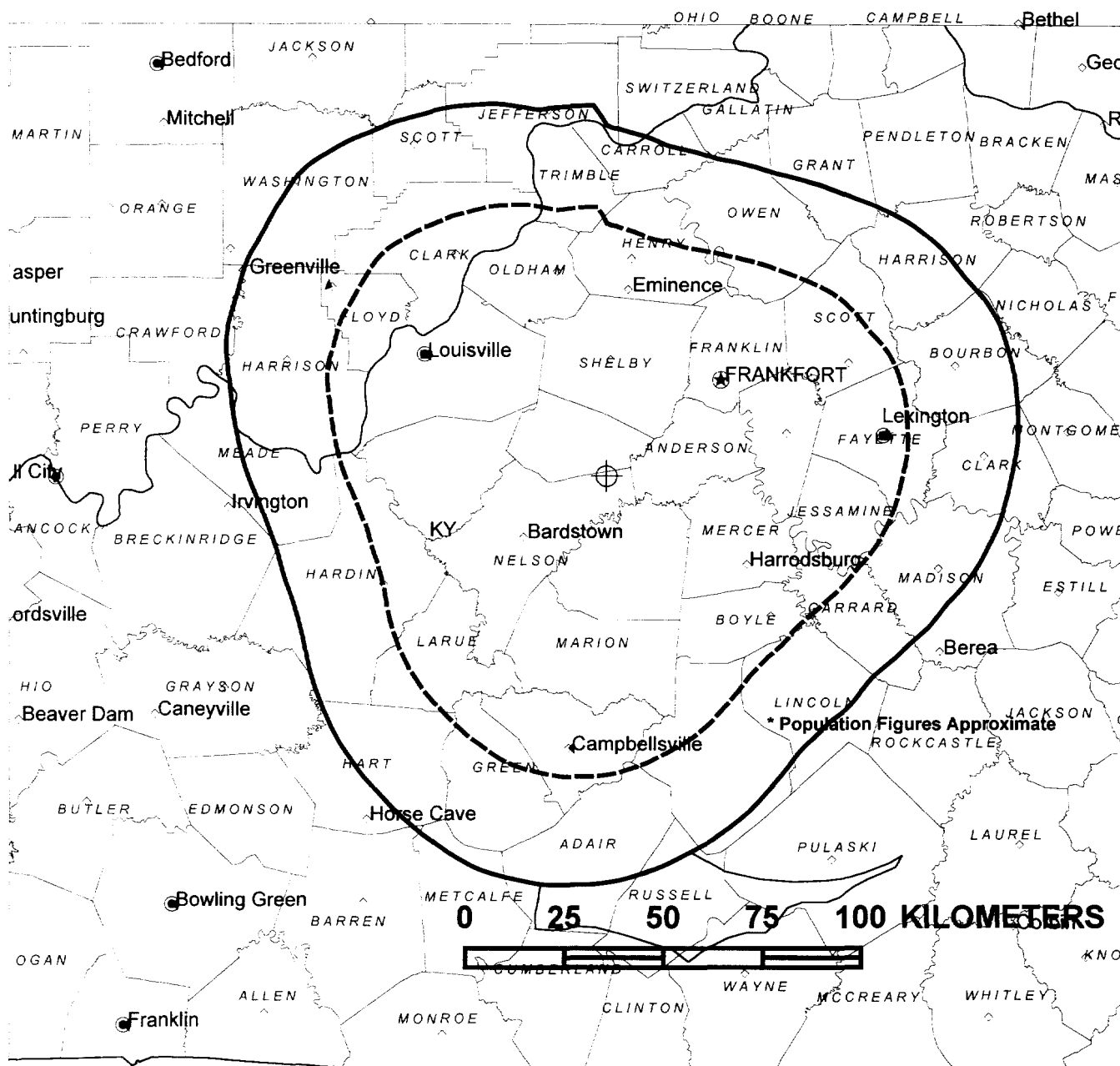
In light of the above, it is submitted that the proposals described herein comply with the Rules and Regulations of the Federal Communications Commission. This statement and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct.

DATED: December 20, 2000



John E. Hidle, P.E.



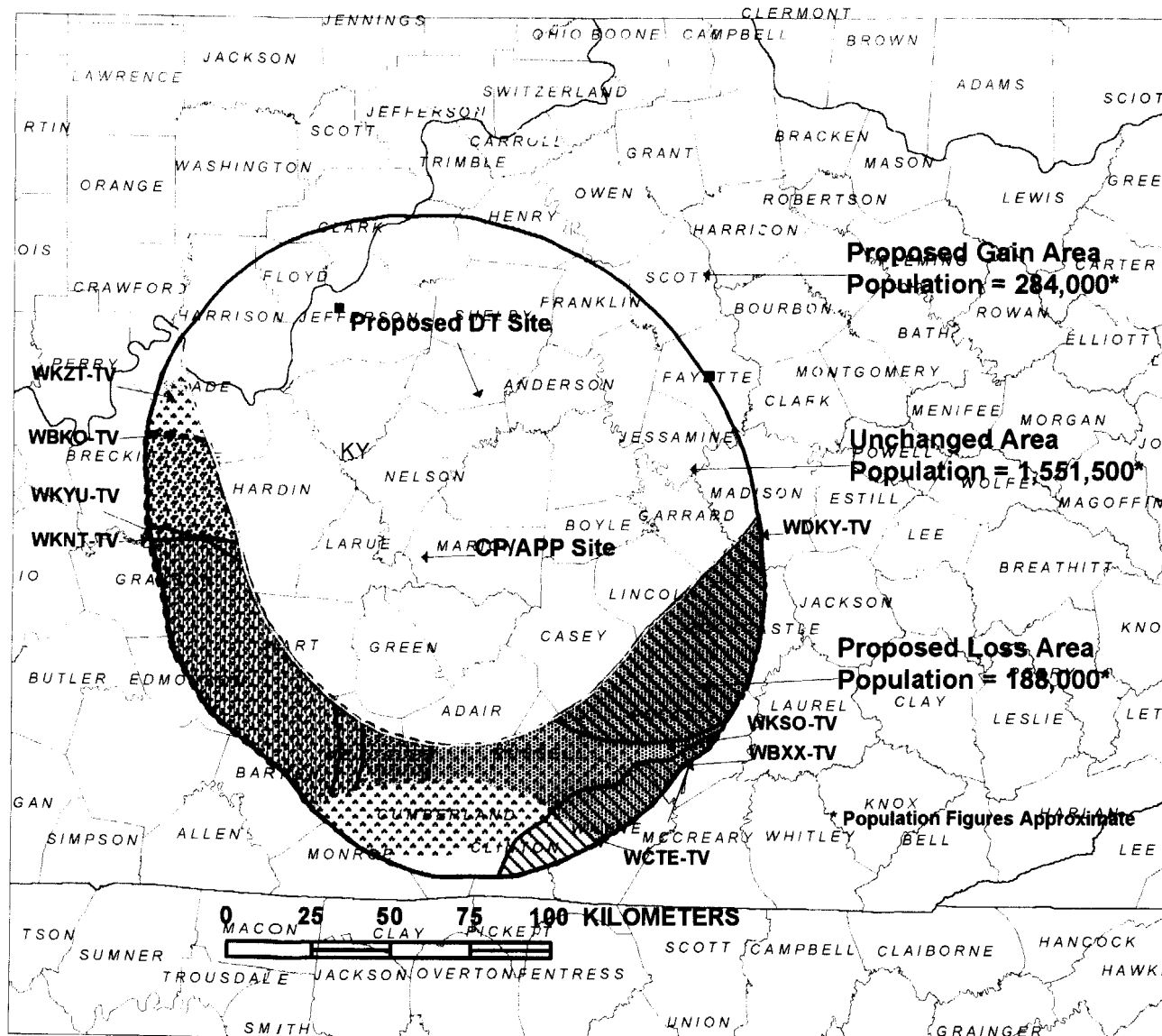


----- 57 dBu F(50,90) Contour
 ----- 41 dBu F(50,90) Contour

WBKI-DT Proposed Digital Facility
 1000 kW ERP; 365 m HAAT;
 41 and 57 dBu F(50,90) Coverage Contours
 Site Coord. 37 56 54.0 NL; 84 15 04.0 WL
 Antenna: Andrew AT2; Trilobe Pattern at 74°
 Population = 1,815,618

WBKI-DT Channel 19, Bardstown, KY ***Proposed Coverage Contours*** ***December, 2000***

CARL T. JONES
CORPORATION



Current Service Availability.
NTSC 64 dBu F(50,50) Contours*

WCKE-TV

WBXX-TV

WBKI-TV

WKSO-TV

WCKY-TV

WKZI-TV

WKNT-TV

WBKO-TV

WKYU-TV

*WBKO-TV Channel 13 Contour
 56 dBu F(50,50) Service Contour.

WBKI-DT Proposed Digital Facility
 1000 kW ERP; 365 m HAAT; Trilobe Pattern
 41dBu F(50,90) Coverage Contour
 Site Coord. 37 56 54.0 NL; 84 15 04.0 WL
 Population = 1,815,618

WBKI-DT Application Facility
 1000 kW ERP; 370 m HAAT; Cardioid Pattern
 41dBu F(50,90) Coverage Contour
 Site Coord. 37 31 51.0 NL; 85 26 45.0 WL
 Population = 1,740,274

WBKI-DT Channel 19, Bardstown, KY
Analysis of Proposed Loss Area
December, 2000

CARL T. JONES
CORPORATION

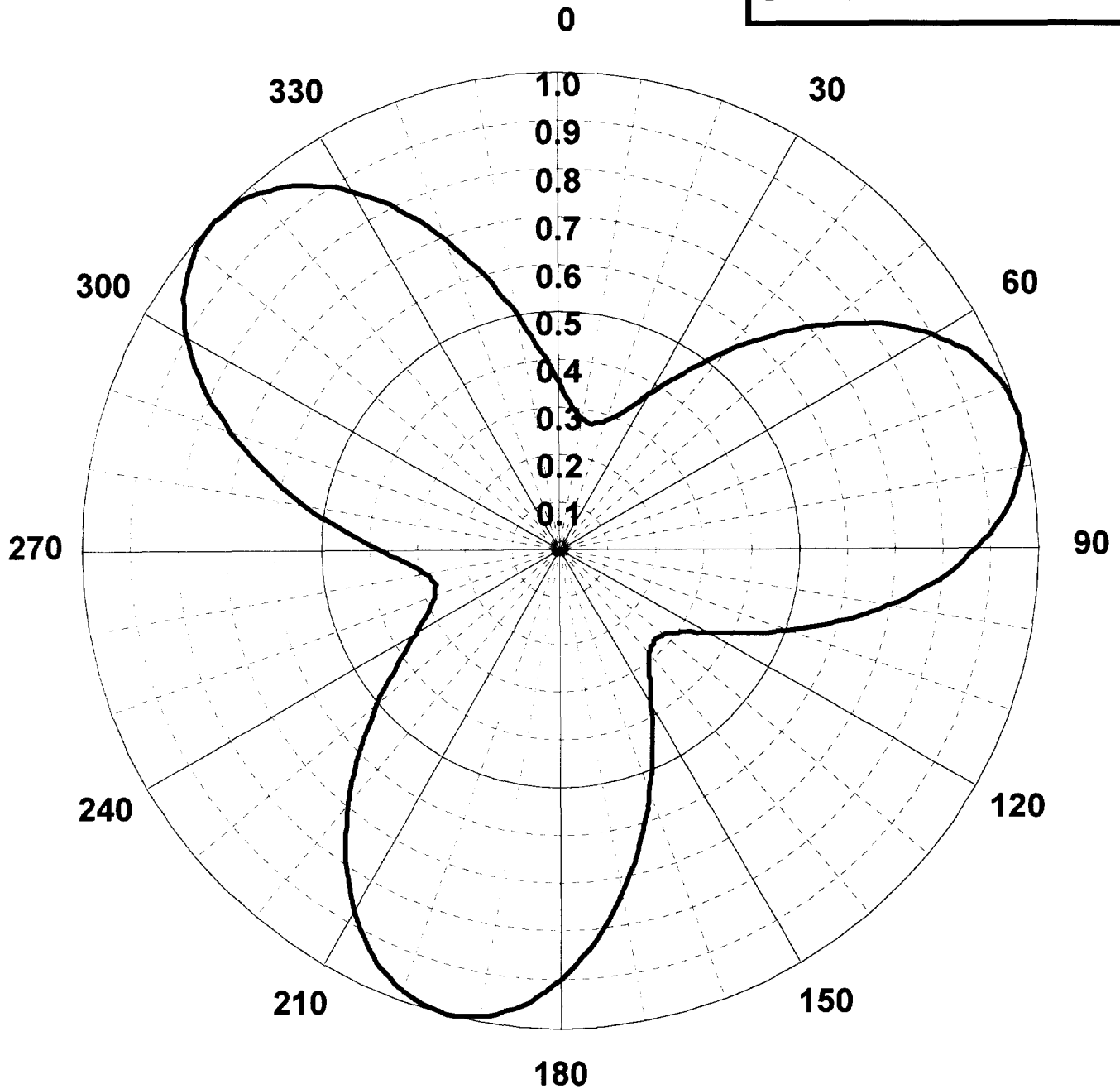
**ANDREW**

Channel: 19

Type: ATW-T2

Gain: 2.18 (3.38 dB)

Polarization: Horizontal



ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

Company: WBKI-DT
Site: Bardstown Site
Proposal Number:

Date: 12/19/00
Author: Carl T. Jones

**EXHIBIT 3**

| Angle | Amp | dB | Angle | Amp | dB | Angle | Amp | dB | Angle | Amp | dB | Angle | Amp | dB |
|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|-------|-------|
| 0 | 0.352 | -9.07 | 72 | 0.995 | -0.04 | 144 | 0.311 | -10.14 | 216 | 0.770 | -2.27 | 288 | 0.695 | -3.16 |
| 1 | 0.341 | -9.34 | 73 | 0.998 | -0.02 | 145 | 0.321 | -9.87 | 217 | 0.751 | -2.49 | 289 | 0.714 | -2.93 |
| 2 | 0.331 | -9.60 | 74 | 1.000 | 0.00 | 146 | 0.331 | -9.60 | 218 | 0.733 | -2.70 | 290 | 0.733 | -2.70 |
| 3 | 0.321 | -9.87 | 75 | 0.998 | -0.02 | 147 | 0.341 | -9.34 | 219 | 0.714 | -2.93 | 291 | 0.751 | -2.49 |
| 4 | 0.311 | -10.14 | 76 | 0.995 | -0.04 | 148 | 0.352 | -9.07 | 220 | 0.695 | -3.16 | 292 | 0.770 | -2.27 |
| 5 | 0.305 | -10.31 | 77 | 0.993 | -0.06 | 149 | 0.364 | -8.78 | 221 | 0.676 | -3.40 | 293 | 0.788 | -2.07 |
| 6 | 0.299 | -10.49 | 78 | 0.990 | -0.09 | 150 | 0.376 | -8.50 | 222 | 0.656 | -3.66 | 294 | 0.807 | -1.86 |
| 7 | 0.293 | -10.66 | 79 | 0.984 | -0.14 | 151 | 0.390 | -8.18 | 223 | 0.637 | -3.92 | 295 | 0.823 | -1.69 |
| 8 | 0.287 | -10.84 | 80 | 0.979 | -0.18 | 152 | 0.405 | -7.85 | 224 | 0.617 | -4.19 | 296 | 0.839 | -1.52 |
| 9 | 0.283 | -10.96 | 81 | 0.971 | -0.26 | 153 | 0.420 | -7.54 | 225 | 0.598 | -4.47 | 297 | 0.855 | -1.36 |
| 10 | 0.279 | -11.09 | 82 | 0.964 | -0.32 | 154 | 0.434 | -7.25 | 226 | 0.579 | -4.75 | 298 | 0.871 | -1.20 |
| 11 | 0.278 | -11.12 | 83 | 0.956 | -0.39 | 155 | 0.451 | -6.92 | 227 | 0.560 | -5.04 | 299 | 0.885 | -1.06 |
| 12 | 0.276 | -11.18 | 84 | 0.948 | -0.46 | 156 | 0.469 | -6.58 | 228 | 0.540 | -5.35 | 300 | 0.899 | -0.92 |
| 13 | 0.274 | -11.24 | 85 | 0.936 | -0.57 | 157 | 0.487 | -6.25 | 229 | 0.522 | -5.65 | 301 | 0.912 | -0.80 |
| 14 | 0.272 | -11.31 | 86 | 0.924 | -0.69 | 158 | 0.504 | -5.95 | 230 | 0.504 | -5.95 | 302 | 0.924 | -0.69 |
| 15 | 0.274 | -11.24 | 87 | 0.912 | -0.80 | 159 | 0.522 | -5.65 | 231 | 0.487 | -6.25 | 303 | 0.936 | -0.57 |
| 16 | 0.276 | -11.18 | 88 | 0.899 | -0.92 | 160 | 0.540 | -5.35 | 232 | 0.469 | -6.58 | 304 | 0.948 | -0.46 |
| 17 | 0.278 | -11.12 | 89 | 0.885 | -1.06 | 161 | 0.559 | -5.05 | 233 | 0.451 | -6.92 | 305 | 0.956 | -0.39 |
| 18 | 0.279 | -11.09 | 90 | 0.871 | -1.20 | 162 | 0.579 | -4.75 | 234 | 0.434 | -7.25 | 306 | 0.964 | -0.32 |
| 19 | 0.283 | -10.96 | 91 | 0.855 | -1.36 | 163 | 0.598 | -4.47 | 235 | 0.419 | -7.56 | 307 | 0.972 | -0.25 |
| 20 | 0.287 | -10.84 | 92 | 0.839 | -1.52 | 164 | 0.617 | -4.19 | 236 | 0.405 | -7.85 | 308 | 0.979 | -0.18 |
| 21 | 0.293 | -10.66 | 93 | 0.823 | -1.69 | 165 | 0.637 | -3.92 | 237 | 0.390 | -8.18 | 309 | 0.984 | -0.14 |
| 22 | 0.299 | -10.49 | 94 | 0.807 | -1.86 | 166 | 0.656 | -3.66 | 238 | 0.376 | -8.50 | 310 | 0.990 | -0.09 |
| 23 | 0.305 | -10.31 | 95 | 0.789 | -2.06 | 167 | 0.676 | -3.40 | 239 | 0.364 | -8.78 | 311 | 0.992 | -0.07 |
| 24 | 0.311 | -10.14 | 96 | 0.770 | -2.27 | 168 | 0.695 | -3.16 | 240 | 0.352 | -9.07 | 312 | 0.995 | -0.04 |
| 25 | 0.321 | -9.87 | 97 | 0.752 | -2.48 | 169 | 0.714 | -2.93 | 241 | 0.342 | -9.32 | 313 | 0.998 | -0.02 |
| 26 | 0.331 | -9.60 | 98 | 0.733 | -2.70 | 170 | 0.733 | -2.70 | 242 | 0.331 | -9.60 | 314 | 1.000 | 0.00 |
| 27 | 0.342 | -9.32 | 99 | 0.714 | -2.93 | 171 | 0.752 | -2.48 | 243 | 0.321 | -9.87 | 315 | 0.997 | -0.03 |
| 28 | 0.352 | -9.07 | 100 | 0.695 | -3.16 | 172 | 0.770 | -2.27 | 244 | 0.311 | -10.14 | 316 | 0.995 | -0.04 |
| 29 | 0.364 | -8.78 | 101 | 0.675 | -3.41 | 173 | 0.789 | -2.06 | 245 | 0.305 | -10.31 | 317 | 0.992 | -0.07 |
| 30 | 0.376 | -8.50 | 102 | 0.656 | -3.66 | 174 | 0.807 | -1.86 | 246 | 0.299 | -10.49 | 318 | 0.990 | -0.09 |
| 31 | 0.390 | -8.18 | 103 | 0.637 | -3.92 | 175 | 0.823 | -1.69 | 247 | 0.293 | -10.66 | 319 | 0.985 | -0.13 |
| 32 | 0.405 | -7.85 | 104 | 0.617 | -4.19 | 176 | 0.839 | -1.52 | 248 | 0.287 | -10.84 | 320 | 0.979 | -0.18 |
| 33 | 0.420 | -7.54 | 105 | 0.598 | -4.47 | 177 | 0.855 | -1.36 | 249 | 0.283 | -10.96 | 321 | 0.971 | -0.26 |
| 34 | 0.434 | -7.25 | 106 | 0.579 | -4.75 | 178 | 0.871 | -1.20 | 250 | 0.279 | -11.09 | 322 | 0.964 | -0.32 |
| 35 | 0.452 | -6.90 | 107 | 0.560 | -5.04 | 179 | 0.885 | -1.06 | 251 | 0.277 | -11.15 | 323 | 0.956 | -0.39 |
| 36 | 0.469 | -6.58 | 108 | 0.540 | -5.35 | 180 | 0.899 | -0.92 | 252 | 0.276 | -11.18 | 324 | 0.948 | -0.46 |
| 37 | 0.486 | -6.27 | 109 | 0.522 | -5.65 | 181 | 0.911 | -0.81 | 253 | 0.274 | -11.24 | 325 | 0.936 | -0.57 |
| 38 | 0.504 | -5.95 | 110 | 0.504 | -5.95 | 182 | 0.924 | -0.69 | 254 | 0.272 | -11.31 | 326 | 0.924 | -0.69 |
| 39 | 0.522 | -5.65 | 111 | 0.486 | -6.27 | 183 | 0.936 | -0.57 | 255 | 0.274 | -11.24 | 327 | 0.911 | -0.81 |
| 40 | 0.540 | -5.35 | 112 | 0.469 | -6.58 | 184 | 0.948 | -0.46 | 256 | 0.276 | -11.18 | 328 | 0.899 | -0.92 |
| 41 | 0.560 | -5.04 | 113 | 0.452 | -6.90 | 185 | 0.956 | -0.39 | 257 | 0.278 | -11.12 | 329 | 0.885 | -1.06 |
| 42 | 0.579 | -4.75 | 114 | 0.434 | -7.25 | 186 | 0.964 | -0.32 | 258 | 0.279 | -11.09 | 330 | 0.871 | -1.20 |
| 43 | 0.598 | -4.47 | 115 | 0.419 | -7.56 | 187 | 0.971 | -0.26 | 259 | 0.283 | -10.96 | 331 | 0.855 | -1.36 |
| 44 | 0.617 | -4.19 | 116 | 0.405 | -7.85 | 188 | 0.979 | -0.18 | 260 | 0.287 | -10.84 | 332 | 0.839 | -1.52 |
| 45 | 0.636 | -3.93 | 117 | 0.390 | -8.18 | 189 | 0.984 | -0.14 | 261 | 0.293 | -10.66 | 333 | 0.823 | -1.69 |
| 46 | 0.656 | -3.66 | 118 | 0.376 | -8.50 | 190 | 0.990 | -0.09 | 262 | 0.299 | -10.49 | 334 | 0.807 | -1.86 |
| 47 | 0.676 | -3.40 | 119 | 0.364 | -8.78 | 191 | 0.993 | -0.06 | 263 | 0.305 | -10.31 | 335 | 0.788 | -2.07 |
| 48 | 0.695 | -3.16 | 120 | 0.352 | -9.07 | 192 | 0.995 | -0.04 | 264 | 0.311 | -10.14 | 336 | 0.770 | -2.27 |
| 49 | 0.714 | -2.93 | 121 | 0.342 | -9.32 | 193 | 0.998 | -0.02 | 265 | 0.321 | -9.87 | 337 | 0.752 | -2.48 |
| 50 | 0.733 | -2.70 | 122 | 0.331 | -9.60 | 194 | 1.000 | 0.00 | 266 | 0.331 | -9.60 | 338 | 0.733 | -2.70 |
| 51 | 0.751 | -2.49 | 123 | 0.321 | -9.87 | 195 | 0.997 | -0.03 | 267 | 0.341 | -9.34 | 339 | 0.714 | -2.93 |
| 52 | 0.770 | -2.27 | 124 | 0.311 | -10.14 | 196 | 0.995 | -0.04 | 268 | 0.352 | -9.07 | 340 | 0.695 | -3.16 |
| 53 | 0.788 | -2.07 | 125 | 0.305 | -10.31 | 197 | 0.992 | -0.07 | 269 | 0.364 | -8.78 | 341 | 0.675 | -3.41 |
| 54 | 0.807 | -1.86 | 126 | 0.299 | -10.49 | 198 | 0.990 | -0.09 | 270 | 0.376 | -8.50 | 342 | 0.656 | -3.66 |
| 55 | 0.823 | -1.69 | 127 | 0.293 | -10.66 | 199 | 0.984 | -0.14 | 271 | 0.391 | -8.16 | 343 | 0.636 | -3.93 |
| 56 | 0.839 | -1.52 | 128 | 0.287 | -10.84 | 200 | 0.979 | -0.18 | 272 | 0.405 | -7.85 | 344 | 0.617 | -4.19 |
| 57 | 0.855 | -1.36 | 129 | 0.283 | -10.96 | 201 | 0.972 | -0.25 | 273 | 0.419 | -7.56 | 345 | 0.598 | -4.47 |
| 58 | 0.871 | -1.20 | 130 | 0.279 | -11.09 | 202 | 0.964 | -0.32 | 274 | 0.434 | -7.25 | 346 | 0.579 | -4.75 |
| 59 | 0.885 | -1.06 | 131 | 0.278 | -11.12 | 203 | 0.956 | -0.39 | 275 | 0.452 | -6.90 | 347 | 0.559 | -5.05 |
| 60 | 0.899 | -0.92 | 132 | 0.276 | -11.18 | 204 | 0.948 | -0.46 | 276 | 0.469 | -6.58 | 348 | 0.540 | -5.35 |
| 61 | 0.911 | -0.81 | 133 | 0.274 | -11.24 | 205 | 0.936 | -0.57 | 277 | 0.487 | -6.25 | 349 | 0.522 | -5.65 |
| 62 | 0.924 | -0.69 | 134 | 0.272 | -11.31 | 206 | 0.924 | -0.69 | 278 | 0.504 | -5.95 | 350 | 0.504 | -5.95 |
| 63 | 0.936 | -0.57 | 135 | 0.274 | -11.24 | 207 | 0.911 | -0.81 | 279 | 0.522 | -5.65 | 351 | 0.487 | -6.25 |
| 64 | 0.948 | -0.46 | 136 | 0.276 | -11.18 | 208 | 0.899 | -0.92 | 280 | 0.540 | -5.35 | 352 | 0.469 | -6.58 |
| 65 | 0.956 | -0.39 | 137 | 0.278 | -11.12 | 209 | 0.885 | -1.06 | 281 | 0.560 | -5.04 | 353 | 0.452 | -6.90 |
| 66 | 0.964 | -0.32 | 138 | 0.279 | -11.09 | 210 | 0.871 | -1.20 | 282 | 0.579 | -4.75 | 354 | 0.434 | -7.25 |
| 67 | 0.971 | -0.26 | 139 | 0.283 | -10.96 | 211 | 0.855 | -1.36 | 283 | 0.598 | -4.47 | 355 | 0.419 | -7.56 |
| 68 | 0.979 | -0.18 | 140 | 0.287 | -10.84 | 212 | 0.839 | -1.52 | 284 | 0.617 | -4.19 | 356 | 0.405 | -7.85 |
| 69 | 0.985 | -0.13 | 141 | 0.293 | -10.66 | 213 | 0.823 | -1.69 | 285 | 0.636 | -3.93 | 357 | 0.390 | -8.18 |
| 70 | 0.990 | -0.09 | 142 | 0.299 | -10.49 | 214 | 0.807 | -1.86 | 286 | 0.656 | -3.66 | 358 | 0.376 | -8.50 |
| 71 | 0.993 | -0.06 | 143 | 0.305 | -10.31 | 215 | 0.788 | -2.07 | 287 | 0.676 | -3.40 | 359 | 0.364 | -8.78 |

ANDREW CORPORATION
10500 W. 153rd Street
Orland Park, Illinois U.S.A. 60462

Company: WBKI-DT
Site: Bardstown Site
Proposal Number:

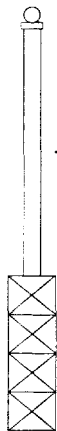
Date: 12/19/00
Author: Carl T. Jones C

COORDINATES NAD-27
 NORTH LATITUDE: 37° 56' 54"
 WEST LONGITUDE: 85° 14' 04"

RADIATION CENTERLINE HEIGHT IN METERS

AMSL HAAT AGL

-575 365 331



EXPANDED VIEW

Overall Height = 585 meters A.M.S.L.

331 meters

GROUND ELEVATION = 244 meters A.M.S.L. / AVERAGE TERRAIN = 210 meters A.M.S.L.

VERTICAL PLAN ANTENNA SKETCH

WBKI-DT - CAMPBELLSVILLE, KENTUCKY

Ch. 19 - 1000 kW ERP

NOVEMBER, 2000

CARL T. JONES
 CORPORATION

NOTE: NOT DRAWN TO SCALE

Carl T. Jones Corporation
Interference Study

All Stations "Appendix B" Baseline

| Run begins Tue Nov 7 14:03:55 20 | 00, host UI | tra5 | Before | After | Delta |
|-----------------------------------|-------------|---------|---------|---------|--------|
| Analysis of: 34N KY CAMPBELLSVILL | E | | | | |
| POPULATION AREA (sq km) | | | | Over | |
| within Noise Limited Contour | 271192 | 14288.4 | | | |
| not affected by terrain losses | 248278 | 13340.7 | 248278 | 248278 | 0 |
| lost to NTSC IX | 0 | 0 | | | |
| lost to additional IX by ATV | 15367 | 435.9 | 15367 | 23827 | -8460 |
| lost to all IX | 15367 | 435.9 | Us | % | -3.12 |
| Analysis of: 19A KY CAMPBELLSVILL | E | | | | |
| HAAT 314.0 m, ATV ERP 50.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 271192 | 14288.4 | | | |
| not affected by terrain losses | 269626 | 14172.5 | 267687 | 267581 | -106 |
| lost to NTSC IX | 1918 | 128 | | | |
| lost to additional IX by ATV | 21 | 8 | | | |
| lost to ATV IX only | 21 | 8 | | | |
| lost to all IX | 1939 | 136 | Us | % | -0.04 |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 19N KY MADISONVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 552761 | 14476.1 | | | |
| not affected by terrain losses | 551541 | 14306.6 | 548864 | 548864 | 0 |
| lost to NTSC IX | 2677 | 145.3 | | | |
| lost to additional IX by ATV | 26017 | 395.5 | 26017 | 17829 | 8188 |
| lost to all IX | 28694 | 540.8 | Us | % | -1.48 |
| Analysis of: 20A KY MADISONVILLE | | | | | |
| HAAT 241.0 m, ATV ERP 81.1 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 552761 | 14476.1 | | | |
| not affected by terrain losses | 552643 | 14455.9 | 551902 | 555031 | 3129 |
| lost to NTSC IX | 240 | 20.2 | | | |
| lost to additional IX by ATV | 501 | 28.2 | | | |
| lost to ATV IX only | 548 | 36.3 | | | |
| lost to all IX | 741 | 48.4 | Us | % | 0.57 |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 19N KY NEWPORT | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2596731 | 20488.3 | 2340230 | 2340230 | 0 |
| lost to NTSC IX | 256501 | 859.9 | | | |
| lost to additional IX by ATV | 10412 | 242.2 | 10412 | 48737 | -38325 |
| lost to all IX | 266913 | 1102.1 | Us | % | -1.48 |
| Analysis of: 29A KY NEWPORT | | | | | |
| HAAT 306.0 m, ATV ERP 258.7 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2619096 | 20702.3 | 2237330 | 2200199 | -37131 |
| lost to NTSC IX | 34018 | 64.6 | | | |
| lost to additional IX by ATV | 347748 | 658 | | | |
| lost to ATV IX only | 379969 | 678.2 | | | |
| lost to all IX | 381766 | 722.6 | Us | % | -1.59 |
| percent match ATV/NTSC | 95.1 | 98.5 | | | |
| Analysis of: 11N WV CHARLESTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 819581 | 22220.8 | 784530 | 784530 | 0 |
| lost to NTSC IX | 35051 | 1645.8 | | | |
| lost to additional IX by ATV | 107 | 16.1 | 107 | 107 | 0 |
| lost to all IX | 35158 | 1661.9 | Us | % | 0.00 |
| Analysis of: 19A WV CHARLESTON | | | | | |
| HAAT 525.0 m, ATV ERP 71.4 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 869150 | 23741.9 | 861265 | 878860 | 17595 |
| lost to NTSC IX | 7885 | 285.7 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |

WBKI-DT Baseline; Others CP/APP or 200 kW Minimum Baseline

| Run begins Wed Nov 8 12:26:04 20 | 00, host UI | tra5 | Before | After | Delta |
|-----------------------------------|-------------|---------|--------|-------|-------|
| Analysis of: 34N KY CAMPBELLSVILL | E | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 271192 | 14288.4 | | | |
| not affected by terrain losses | 248278 | 13340.7 | | | |
| lost to NTSC IX | 0 | 0 | | | |
| lost to additional IX by ATV | 23827 | 859.8 | | | |
| lost to all IX | 23827 | 859.8 | | | |
| Analysis of: 19A KY CAMPBELLSVILL | E | | | | |
| HAAT 314.0 m, ATV ERP 50.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 271192 | 14288.4 | | | |
| not affected by terrain losses | 269626 | 14172.5 | | | |
| lost to NTSC IX | 1918 | 128 | | | |
| lost to additional IX by ATV | 127 | 12 | | | |
| lost to ATV IX only | 657 | 24 | | | |
| lost to all IX | 2045 | 140 | | | |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 19N KY MADISONVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 552761 | 14476.1 | | | |
| not affected by terrain losses | 551541 | 14306.6 | | | |
| lost to NTSC IX | 2677 | 145.3 | | | |
| lost to additional IX by ATV | 17829 | 464.1 | | | |
| lost to all IX | 20506 | 609.4 | | | |
| Analysis of: 20A KY MADISONVILLE | | | | | |
| HAAT 216.0 m, ATV ERP 1000.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 555031 | 14484.1 | | | |
| not affected by terrain losses | 555031 | 14484.1 | | | |
| lost to NTSC IX | 0 | 4 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 0 | 4 | | | |
| percent match ATV/NTSC | 100 | 99.9 | | | |
| Analysis of: 19N KY NEWPORT | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2596731 | 20488.3 | | | |
| lost to NTSC IX | 256501 | 859.9 | | | |
| lost to additional IX by ATV | 48737 | 1013.3 | | | |
| lost to all IX | 305238 | 1873.2 | | | |
| Analysis of: 29A KY NEWPORT | | | | | |
| HAAT 306.0 m, ATV ERP 258.7 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2619096 | 20702.3 | | | |
| lost to NTSC IX | 34018 | 64.6 | | | |
| lost to additional IX by ATV | 384879 | 900.3 | | | |
| lost to ATV IX only | 417100 | 920.5 | | | |
| lost to all IX | 418897 | 964.9 | | | |
| percent match ATV/NTSC | 93.5 | 97.3 | | | |
| Analysis of: 11N WV CHARLESTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 819581 | 22220.8 | | | |
| lost to NTSC IX | 35051 | 1645.8 | | | |
| lost to additional IX by ATV | 107 | 16.1 | | | |
| lost to all IX | 35158 | 1661.9 | | | |
| Analysis of: 19A WV CHARLESTON | | | | | |
| HAAT 519.0 m, ATV ERP 460.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 886128 | 24176.5 | | | |
| lost to NTSC IX | 7268 | 112.7 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |

WBKI-DT 1000 kW ERP; 365 m HAAT; Trilobe Antenna, New Site
Others CP/APP or 200 kW Minimum Baseline

| Run begins Mon Nov 13 09:13:51 20 | 00, host UI | tra5 | Before | After | Delta |
|-----------------------------------|-------------|---------|--------|-------|-------|
| Analysis of: 34N KY CAMPBELLSVILL | E | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 271192 | 14288.4 | | | |
| not affected by terrain losses | 248278 | 13340.7 | | | |
| lost to NTSC IX | 0 | 0 | | | |
| lost to additional IX by ATV | 23827 | 859.8 | | | |
| lost to all IX | 23827 | 859.8 | | | |
| Analysis of: 19A KY CAMPBELLSVILL | E | | | | |
| HAAT 365.0 m, ATV ERP 1000.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 131032 | 4666.8 | | | |
| not affected by terrain losses | 131032 | 4666.8 | | | |
| lost to NTSC IX | 0 | 0 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 0 | 0 | | | |
| percent match ATV/NTSC | 21.3 | 23.8 | | | |
| Analysis of: 19N KY MADISONVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 552761 | 14476.1 | | | |
| not affected by terrain losses | 551541 | 14306.6 | | | |
| lost to NTSC IX | 2677 | 145.3 | | | |
| lost to additional IX by ATV | 18707 | 544.8 | | | |
| lost to all IX | 21384 | 690.1 | | | |
| Analysis of: 20A KY MADISONVILLE | | | | | |
| HAAT 216.0 m, ATV ERP 1000.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 555031 | 14484.1 | | | |
| not affected by terrain losses | 555031 | 14484.1 | | | |
| lost to NTSC IX | 0 | 4 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 0 | 4 | | | |
| percent match ATV/NTSC | 100 | 99.9 | | | |
| Analysis of: 19N KY NEWPORT | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2596731 | 20488.3 | | | |
| lost to NTSC IX | 256501 | 859.9 | | | |
| lost to additional IX by ATV | 78493 | 2967.3 | | | |
| lost to all IX | 334994 | 3827.2 | | | |
| Analysis of: 29A KY NEWPORT | | | | | |
| HAAT 306.0 m, ATV ERP 258.7 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 2622923 | 20779 | | | |
| not affected by terrain losses | 2619096 | 20702.3 | | | |
| lost to NTSC IX | 34018 | 64.6 | | | |
| lost to additional IX by ATV | 384879 | 900.3 | | | |
| lost to ATV IX only | 417100 | 920.5 | | | |
| lost to all IX | 418897 | 964.9 | | | |
| percent match ATV/NTSC | 93.5 | 97.3 | | | |
| Analysis of: 11N WV CHARLESTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 819581 | 22220.8 | | | |
| lost to NTSC IX | 35051 | 1645.8 | | | |
| lost to additional IX by ATV | 107 | 16.1 | | | |
| lost to all IX | 35158 | 1661.9 | | | |
| Analysis of: 19A WV CHARLESTON | | | | | |
| HAAT 519.0 m, ATV ERP 460.0 | kW | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 892405 | 24422 | | | |
| not affected by terrain losses | 886128 | 24176.5 | | | |
| lost to NTSC IX | 7268 | 112.7 | | | |
| lost to additional IX by ATV | 638 | 8 | | | |
| lost to ATV IX only | 903 | 28.2 | | | |

Carl T. Jones Corporation
Interference Study

| | | | | | | | | | | | | | | | |
|--------------------------------|---------|---------|---------|---------|-------|--------------------------------|---------|----------------|---------|---------|-------|--------------------------------|---------|---------|---------|
| lost to all IX | 7885 | 285.7 | Us | % | 2.04 | lost to all IX | 7268 | 112.7 | Us | % | -0.07 | lost to all IX | 7906 | 120.7 | |
| percent match ATV/NTSC | 100 | 100 | | | | percent match ATV/NTSC | 100 | 100 | | | | percent match ATV/NTSC | 100 | 100 | |
| Analysis of: 19N TN KINGSPORT | | | | | | Analysis of: 19N TN KINGSPORT | | | | | | Analysis of: 19N TN KINGSPORT | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 930341 | 26427.2 | | | | within Noise Limited Contour | 930341 | 26427.2 | | | | within Noise Limited Contour | 930341 | 26427.2 | |
| not affected by terrain losses | 713803 | 18685.3 | 709202 | 709202 | 0 | not affected by terrain losses | 713803 | 18685.3 | 709202 | 709202 | 0 | not affected by terrain losses | 713803 | 18685.3 | |
| lost to NTSC IX | 4601 | 161.3 | | | | lost to NTSC IX | 4601 | 161.3 | | | | lost to NTSC IX | 4601 | 161.3 | |
| lost to additional IX by ATV | 5620 | 241.9 | 5620 | 9729 | -4109 | lost to additional IX by ATV | 9729 | 431.4 | 9729 | 9695 | 34 | lost to additional IX by ATV | 9695 | 431.4 | Total % |
| lost to all IX | 10221 | 403.2 | | | Us | % | -0.44 | lost to all IX | 14330 | 592.7 | | lost to all IX | 14296 | 592.7 | |
| Analysis of: 27A TN KINGSPORT | | | | | | Analysis of: 27A TN KINGSPORT | | | | | | Analysis of: 27A TN KINGSPORT | | | |
| HAAT 707.0 m, ATV ERP 54.3 | | | | | | HAAT 707.0 m, ATV ERP 200.0 | | | | | | HAAT 707.0 m, ATV ERP 200.0 | | | |
| kW | | | | | | kW | | | | | | kW | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 930341 | 26427.2 | | | | within Noise Limited Contour | 930341 | 26427.2 | | | | within Noise Limited Contour | 930341 | 26427.2 | |
| not affected by terrain losses | 751408 | 20253.9 | 714562 | 756330 | 41768 | not affected by terrain losses | 786636 | 21572.4 | 756330 | 756330 | 0 | not affected by terrain losses | 786636 | 21572.4 | |
| lost to NTSC IX | 12594 | 637.1 | | | | lost to NTSC IX | 11324 | 604.8 | | | | lost to NTSC IX | 11324 | 604.8 | |
| lost to additional IX by ATV | 24252 | 709.7 | | | | lost to additional IX by ATV | 18982 | 629 | | | | lost to additional IX by ATV | 18982 | 629 | Total % |
| lost to ATV IX only | 29304 | 967.7 | | | | lost to ATV IX only | 24037 | 923.4 | | | | lost to ATV IX only | 24037 | 923.4 | |
| lost to all IX | 36846 | 1346.8 | | | Us | % | 5.85 | lost to all IX | 30306 | 1233.9 | | lost to all IX | 30306 | 1233.9 | |
| percent match ATV/NTSC | 97.5 | 97.1 | | | | percent match ATV/NTSC | 98 | 98 | | | 0.00 | percent match ATV/NTSC | 98 | 98 | |
| Analysis of: 22N TN COOKEVILLE | | | | | | Analysis of: 22N TN COOKEVILLE | | | | | | Analysis of: 22N TN COOKEVILLE | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 392070 | 22436 | | | | within Noise Limited Contour | 392070 | 22436 | | | | within Noise Limited Contour | 392070 | 22436 | |
| not affected by terrain losses | 349295 | 19904 | 347130 | 347130 | 0 | not affected by terrain losses | 349295 | 19904 | 347130 | 347130 | 0 | not affected by terrain losses | 349295 | 19904 | |
| lost to NTSC IX | 2165 | 216 | | | | lost to NTSC IX | 2165 | 216 | | | | lost to NTSC IX | 2165 | 216 | Total % |
| lost to additional IX by ATV | 10054 | 492 | 10054 | 16716 | -6662 | lost to additional IX by ATV | 16716 | 920 | 16716 | 16716 | 0 | lost to additional IX by ATV | 16716 | 920 | |
| lost to all IX | 12219 | 708 | | | Us | % | -1.70 | lost to all IX | 18881 | 1136 | | lost to all IX | 18881 | 1136 | |
| Analysis of: 52A TN COOKEVILLE | | | | | | Analysis of: 52A TN COOKEVILLE | | | | | | Analysis of: 52A TN COOKEVILLE | | | |
| HAAT 425.0 m, ATV ERP 73.5 | | | | | | HAAT 425.0 m, ATV ERP 200.0 | | | | | | HAAT 425.0 m, ATV ERP 200.0 | | | |
| kW | | | | | | kW | | | | | | kW | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 392070 | 22436 | | | | within Noise Limited Contour | 392070 | 22436 | | | | within Noise Limited Contour | 392070 | 22436 | |
| not affected by terrain losses | 354526 | 20204 | 337955 | 347159 | 9204 | not affected by terrain losses | 363525 | 20712 | 347159 | 347159 | 0 | not affected by terrain losses | 363525 | 20712 | |
| lost to NTSC IX | 2068 | 164 | | | | lost to NTSC IX | 893 | 84 | | | | lost to NTSC IX | 893 | 84 | |
| lost to additional IX by ATV | 14503 | 324 | | | | lost to additional IX by ATV | 15473 | 284 | | | | lost to additional IX by ATV | 15473 | 284 | Total % |
| lost to ATV IX only | 14955 | 348 | | | | lost to ATV IX only | 15477 | 292 | | | | lost to ATV IX only | 15477 | 292 | |
| lost to all IX | 16571 | 488 | | | Us | % | 2.85 | lost to all IX | 16366 | 368 | | lost to all IX | 16366 | 368 | |
| percent match ATV/NTSC | 96.5 | 98.7 | | | | percent match ATV/NTSC | 97.6 | 99.1 | | | 0.00 | percent match ATV/NTSC | 97.6 | 99.1 | |
| Analysis of: 21N KY LOUISVILLE | | | | | | Analysis of: 21N KY LOUISVILLE | | | | | | Analysis of: 21N KY LOUISVILLE | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 1147670 | 12948.3 | | | | within Noise Limited Contour | 1147670 | 12948.3 | | | | within Noise Limited Contour | 1147670 | 12948.3 | |
| not affected by terrain losses | 1143173 | 12616.5 | 1114211 | 1114211 | 0 | not affected by terrain losses | 1143173 | 12616.5 | 1114211 | 1114211 | 0 | not affected by terrain losses | 1143173 | 12616.5 | |
| lost to NTSC IX | 28962 | 723.6 | | | | lost to NTSC IX | 28962 | 723.6 | | | | lost to NTSC IX | 28962 | 723.6 | Total % |
| lost to additional IX by ATV | 8457 | 547.7 | 8457 | 13735 | -5278 | lost to additional IX by ATV | 13735 | 867.5 | 13735 | 15391 | -1656 | lost to additional IX by ATV | 15391 | 1047.4 | |
| lost to all IX | 37419 | 1271.2 | | | Us | % | -0.46 | lost to all IX | 42697 | 1591.1 | | lost to all IX | 44353 | 1770.9 | |
| Analysis of: 8A KY LOUISVILLE | | | | | | Analysis of: 8A KY LOUISVILLE | | | | | | Analysis of: 8A KY LOUISVILLE | | | |
| HAAT 212.0 m, ATV ERP 3.2 | | | | | | HAAT 212.0 m, ATV ERP 3.2 | | | | | | HAAT 212.0 m, ATV ERP 3.2 | | | |
| kW | | | | | | kW | | | | | | kW | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 1147670 | 12948.3 | | | | within Noise Limited Contour | 1147670 | 12948.3 | | | | within Noise Limited Contour | 1147670 | 12948.3 | |
| not affected by terrain losses | 1145505 | 12776.4 | 1141196 | 1141196 | 0 | not affected by terrain losses | 1145505 | 12776.4 | 1141196 | 1141196 | 0 | not affected by terrain losses | 1145505 | 12776.4 | |
| lost to NTSC IX | 4309 | 327.8 | | | | lost to NTSC IX | 4309 | 327.8 | | | | lost to NTSC IX | 4309 | 327.8 | Total % |
| lost to additional IX by ATV | 0 | 0 | | | | lost to additional IX by ATV | 0 | 0 | | | | lost to additional IX by ATV | 0 | 0 | |
| lost to ATV IX only | 0 | 0 | | | | lost to ATV IX only | 0 | 0 | | | | lost to ATV IX only | 0 | 0 | |
| lost to all IX | 4309 | 327.8 | | | Us | % | 0.00 | lost to all IX | 4309 | 327.8 | | lost to all IX | 4309 | 327.8 | |
| percent match ATV/NTSC | 99.7 | 98.4 | | | | percent match ATV/NTSC | 99.7 | 98.4 | | | 0.00 | percent match ATV/NTSC | 99.7 | 98.4 | |
| Analysis of: 15N KY LOUISVILLE | | | | | | Analysis of: 15N KY LOUISVILLE | | | | | | Analysis of: 15N KY LOUISVILLE | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 1190245 | 13984.7 | | | | within Noise Limited Contour | 1190245 | 13984.7 | | | | within Noise Limited Contour | 1190245 | 13984.7 | |
| not affected by terrain losses | 1183842 | 13629.7 | 1176661 | 1176661 | 0 | not affected by terrain losses | 1183842 | 13629.7 | 1176661 | 1176661 | 0 | not affected by terrain losses | 1183842 | 13629.7 | |
| lost to NTSC IX | 7181 | 326.7 | | | | lost to NTSC IX | 7181 | 326.7 | | | | lost to NTSC IX | 7181 | 326.7 | Total % |
| lost to additional IX by ATV | 3937 | 189.6 | 3937 | 11135 | -7198 | lost to additional IX by ATV | 11135 | 564.7 | 11135 | 14494 | -3359 | lost to additional IX by ATV | 14494 | 661.5 | |
| lost to all IX | 11118 | 516.3 | | | Us | % | -0.80 | lost to all IX | 18316 | 891.4 | | lost to all IX | 21675 | 988.2 | |
| Analysis of: 17A KY LOUISVILLE | | | | | | Analysis of: 17A KY LOUISVILLE | | | | | | Analysis of: 17A KY LOUISVILLE | | | |
| HAAT 262.0 m, ATV ERP 50.0 | | | | | | HAAT 262.0 m, ATV ERP 200.0 | | | | | | HAAT 262.0 m, ATV ERP 200.0 | | | |
| kW | | | | | | kW | | | | | | kW | | | |
| POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | | | | POPULATION AREA (sq km) | | | |
| within Noise Limited Contour | 1190245 | 13984.7 | | | | within Noise Limited Contour | 1190245 | 13984.7 | | | | within Noise Limited Contour | 1190245 | 13984.7 | |
| not affected by terrain losses | 1187367 | 13895.9 | 1186480 | 1187652 | 1172 | not affected by terrain losses | 1189928 | 13964.5 | 1187652 | 1187652 | 0 | not affected by terrain losses | 1189928 | 13964.5 | |
| lost to NTSC IX | 856 | 40.3 | | | | lost to NTSC IX | 48 | 4 | | | | lost to NTSC IX | 48 | 4 | Total % |
| lost to additional IX by ATV | 31 | 8.1 | | | | lost to additional IX by ATV | 2228 | 16.1 | | | | lost to additional IX by ATV | 2228 | 16.1 | |
| lost to ATV IX only | 31 | 8.1 | | | | lost to ATV IX only | 2276 | 20.2 | | | | lost to ATV IX only | 2276 | 20.2 | |
| lost to all IX | 887 | 48.4 | | | Us | % | 0.10 | lost to all IX | 2276 | 20.2 | | lost to all IX | 2276 | 20.2 | |

Carl T. Jones Corporation
Interference Study

| | | | | | |
|-----------------------------------|---------|---------|---------|---------|--------|
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 11N KY LOUISVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1468897 | 26636.7 | 1462320 | 1462320 | 0 |
| lost to NTSC IX | 6577 | 500.3 | | | |
| lost to additional IX by ATV | 114 | 8.1 | 114 | 114 | 0 |
| lost to all IX | 6691 | 508.4 | Us | % | 0.00 |
| Analysis of: 55A KY LOUISVILLE | | | | | |
| HAAT 390.0 m, ATV ERP 447.7 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1482932 | 27709.9 | 1478980 | 1478980 | 0 |
| lost to NTSC IX | 1435 | 100.9 | | | |
| lost to additional IX by ATV | 2517 | 157.4 | | | |
| lost to ATV IX only | 2930 | 177.5 | | | |
| lost to all IX | 3952 | 258.2 | Us | % | 0.00 |
| percent match ATV/NTSC | 99.9 | 99.6 | | | |
| Analysis of: 18N KY LEXINGTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 624950 | 12935.3 | 622427 | 622427 | 0 |
| lost to NTSC IX | 2523 | 152 | | | |
| lost to additional IX by ATV | 1216 | 120 | 1216 | 2155 | -939 |
| lost to all IX | 3739 | 272 | Us | % | -0.15 |
| Analysis of: 22A KY LEXINGTON | | | | | |
| HAAT 195.0 m, ATV ERP 50.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 626495 | 13055.3 | 623899 | 626051 | 2152 |
| lost to NTSC IX | 2582 | 192 | | | |
| lost to additional IX by ATV | 14 | 4 | | | |
| lost to ATV IX only | 58 | 8 | | | |
| lost to all IX | 2596 | 196 | Us | % | 0.34 |
| percent match ATV/NTSC | 99.9 | 99.5 | | | |
| Analysis of: 23N KY ELIZABETHTOWN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 702373 | 11911.5 | 409487 | 409487 | 0 |
| lost to NTSC IX | 292886 | 916.9 | | | |
| lost to additional IX by ATV | 4717 | 181 | 4717 | 19141 | -14424 |
| lost to all IX | 297603 | 1097.8 | Us | % | -1.91 |
| Analysis of: 43A KY ELIZABETHTOWN | | | | | |
| HAAT 198.0 m, ATV ERP 50.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 741774 | 12132.6 | 733582 | 744230 | 10648 |
| lost to NTSC IX | 8192 | 40.2 | | | |
| lost to additional IX by ATV | 0 | 4 | | | |
| lost to ATV IX only | 0 | 8 | | | |
| lost to all IX | 8192 | 44.2 | Us | % | 1.45 |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 24N KY BOWLING GREEN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 241497 | 10465.2 | 235279 | 235279 | 0 |
| lost to NTSC IX | 6218 | 528.7 | | | |
| lost to additional IX by ATV | 3792 | 280.4 | 3792 | 5078 | -1286 |
| lost to all IX | 10010 | 809 | Us | % | -0.53 |
| Analysis of: 18A KY BOWLING GREEN | | | | | |
| HAAT 198.0 m, ATV ERP 50.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 243703 | 10565.3 | 243689 | 243689 | 0 |
| lost to NTSC IX | 14 | 4 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 14 | 4 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 100 | | | |

| | | | | | |
|-----------------------------------|---------|---------|---------|---------|-------|
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 11N KY LOUISVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1468897 | 26636.7 | 1462320 | 1462320 | 0 |
| lost to NTSC IX | 6577 | 500.3 | | | |
| lost to additional IX by ATV | 114 | 8.1 | 114 | 114 | 0 |
| lost to all IX | 6691 | 508.4 | Us | % | 0.00 |
| Analysis of: 55A KY LOUISVILLE | | | | | |
| HAAT 390.0 m, ATV ERP 447.7 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1482932 | 27709.9 | 1478980 | 1478980 | 0 |
| lost to NTSC IX | 1435 | 100.9 | | | |
| lost to additional IX by ATV | 2517 | 157.4 | | | |
| lost to ATV IX only | 2930 | 177.5 | | | |
| lost to all IX | 3952 | 258.2 | Us | % | 0.00 |
| percent match ATV/NTSC | 99.9 | 99.6 | | | |
| Analysis of: 18N KY LEXINGTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 624950 | 12935.3 | 622427 | 622427 | 0 |
| lost to NTSC IX | 2523 | 152 | | | |
| lost to additional IX by ATV | 2155 | 252 | 2155 | 8734 | -6579 |
| lost to all IX | 4678 | 404 | Us | % | -1.05 |
| Analysis of: 22A KY LEXINGTON | | | | | |
| HAAT 195.0 m, ATV ERP 200.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 626633 | 13091.3 | 626051 | 626051 | 0 |
| lost to NTSC IX | 543 | 60 | | | |
| lost to additional IX by ATV | 39 | 4 | | | |
| lost to ATV IX only | 60 | 8 | | | |
| lost to all IX | 582 | 64 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 99.9 | | | |
| Analysis of: 23N KY ELIZABETHTOWN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 702373 | 11911.5 | 409487 | 409487 | 0 |
| lost to NTSC IX | 292886 | 916.9 | | | |
| lost to additional IX by ATV | 19141 | 855.5 | 19141 | 20175 | -1034 |
| lost to all IX | 312027 | 1572.4 | Us | % | -0.14 |
| Analysis of: 43A KY ELIZABETHTOWN | | | | | |
| HAAT 198.0 m, ATV ERP 200.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 755069 | 12213.1 | 744230 | 744230 | 0 |
| lost to NTSC IX | 10839 | 12.1 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 10797 | 4 | | | |
| lost to all IX | 10839 | 12.1 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 24N KY BOWLING GREEN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 241497 | 10465.2 | 235279 | 235279 | 0 |
| lost to NTSC IX | 6218 | 528.7 | | | |
| lost to additional IX by ATV | 5078 | 328.4 | 5078 | 5078 | 0 |
| lost to all IX | 11296 | 857.1 | Us | % | 0.00 |
| Analysis of: 18A KY BOWLING GREEN | | | | | |
| HAAT 176.0 m, ATV ERP 50.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 243703 | 10565.3 | 243689 | 243689 | 0 |
| lost to NTSC IX | 14 | 4 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 14 | 4 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 100 | | | |

| | | | | | |
|-----------------------------------|---------|---------|---------|---------|-------|
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 11N KY LOUISVILLE | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1468897 | 26636.7 | 1462320 | 1462320 | 0 |
| lost to NTSC IX | 6577 | 500.3 | | | |
| lost to additional IX by ATV | 114 | 8.1 | 114 | 114 | 0 |
| lost to all IX | 6691 | 508.4 | Us | % | 0.00 |
| Analysis of: 55A KY LOUISVILLE | | | | | |
| HAAT 390.0 m, ATV ERP 447.7 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 1496313 | 28210.2 | | | |
| not affected by terrain losses | 1482932 | 27709.9 | 1478980 | 1478980 | 0 |
| lost to NTSC IX | 1435 | 100.9 | | | |
| lost to additional IX by ATV | 2517 | 157.4 | | | |
| lost to ATV IX only | 2930 | 177.5 | | | |
| lost to all IX | 3952 | 258.2 | Us | % | 0.00 |
| percent match ATV/NTSC | 99.9 | 99.6 | | | |
| Analysis of: 18N KY LEXINGTON | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 624950 | 12935.3 | 622427 | 622427 | 0 |
| lost to NTSC IX | 2523 | 152 | | | |
| lost to additional IX by ATV | 8734 | 648 | 8734 | 8734 | 0 |
| lost to all IX | 11257 | 800 | Us | % | -0.09 |
| Analysis of: 22A KY LEXINGTON | | | | | |
| HAAT 195.0 m, ATV ERP 200.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 626803 | 13123.3 | | | |
| not affected by terrain losses | 626633 | 13091.3 | 626051 | 626051 | 0 |
| lost to NTSC IX | 543 | 60 | | | |
| lost to additional IX by ATV | 39 | 4 | | | |
| lost to ATV IX only | 60 | 8 | | | |
| lost to all IX | 582 | 64 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 99.9 | | | |
| Analysis of: 23N KY ELIZABETHTOWN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 702373 | 11911.5 | 409487 | 409487 | 0 |
| lost to NTSC IX | 292886 | 916.9 | | | |
| lost to additional IX by ATV | 20175 | 675.6 | 20175 | 20175 | 0 |
| lost to all IX | 313061 | 1592.5 | Us | % | -0.14 |
| Analysis of: 43A KY ELIZABETHTOWN | | | | | |
| HAAT 198.0 m, ATV ERP 200.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 755185 | 12241.2 | | | |
| not affected by terrain losses | 755069 | 12213.1 | 744230 | 744230 | 0 |
| lost to NTSC IX | 10839 | 12.1 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 10797 | 4 | | | |
| lost to all IX | 10839 | 12.1 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 100 | | | |
| Analysis of: 24N KY BOWLING GREEN | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 241497 | 10465.2 | 235279 | 235279 | 0 |
| lost to NTSC IX | 6218 | 528.7 | | | |
| lost to additional IX by ATV | 5078 | 328.4 | 5078 | 5078 | 0 |
| lost to all IX | 11296 | 857.1 | Us | % | 0.00 |
| Analysis of: 18A KY BOWLING GREEN | | | | | |
| HAAT 176.0 m, ATV ERP 50.0 | | | | | |
| POPULATION AREA (sq km) | | | | | |
| within Noise Limited Contour | 243726 | 10569.3 | | | |
| not affected by terrain losses | 243703 | 10565.3 | 243689 | 243689 | 0 |
| lost to NTSC IX | 14 | 4 | | | |
| lost to additional IX by ATV | 0 | 0 | | | |
| lost to ATV IX only | 0 | 0 | | | |
| lost to all IX | 14 | 4 | Us | % | 0.00 |
| percent match ATV/NTSC | 100 | 100 | | | |

Carl T. Jones Corporation
Interference Study

Analysis of: 16N IL OLNEY

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 259006 16489.4 | |
| not affected by terrain losses | 258951 16485.4 | |
| lost to NTSC IX | 1424 80.1 | |
| lost to additional IX by ATV | 2714 20 | |
| lost to all IX | 4138 100.2 | |

Analysis of: 19A IL OLNEY
HAAT 283.0 m, ATV ERP 50.0

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 259006 16489.4 | |
| not affected by terrain losses | 259006 16489.4 | |
| lost to NTSC IX | 1032 196.3 | |
| lost to additional IX by ATV | 0 0 | |
| lost to ATV IX only | 0 0 | |
| lost to all IX | 1032 196.3 | |
| percent match ATV/NTSC | 99.6 98.9 | |

Analysis of: 19N AL HUNTSVILLE

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 882813 24486.4 | |
| lost to NTSC IX | 25634 997.5 | |
| lost to additional IX by ATV | 6420 237.3 | |
| lost to all IX | 32054 1234.8 | |

Analysis of: 59A AL HUNTSVILLE
HAAT 533.0 m, ATV ERP 89.0

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 889547 24863.4 | |
| lost to NTSC IX | 9952 225.2 | |
| lost to additional IX by ATV | 423 16.1 | |
| lost to ATV IX only | 991 28.2 | |
| lost to all IX | 10375 241.3 | |
| percent match ATV/NTSC | 99.7 99.6 | |

Finished Tue Nov 7 14:22:11; run
473579 calls to Longley-Rice;

time 0: 16:55
path dista nce increment

Over

| | | |
|--------|--------|--------|
| 257527 | 257527 | 0 |
| 2714 | 13704 | -10990 |
| Us | % | -4.24 |

| | | |
|--------|--------|-------|
| 257974 | 257525 | -449 |
| Us | % | -0.17 |

| | | |
|--------|--------|-------|
| 857179 | 857179 | 0 |
| 6420 | 9626 | -3206 |
| Us | % | -0.34 |

| | | |
|--------|--------|-------|
| 879172 | 896410 | 17238 |
| Us | % | 1.96 |

Analysis of: 16N IL OLNEY

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 259006 16489.4 | |
| not affected by terrain losses | 258951 16485.4 | |
| lost to NTSC IX | 1424 80.1 | |
| lost to additional IX by ATV | 13704 348.5 | |
| lost to all IX | 15128 428.7 | |

Analysis of: 19A IL OLNEY
HAAT 262.0 m, ATV ERP 57.8

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 258950 16485.4 | |
| not affected by terrain losses | 258950 16485.4 | |
| lost to NTSC IX | 1350 248.4 | |
| lost to additional IX by ATV | 75 4 | |
| lost to ATV IX only | 98 8 | |
| lost to all IX | 1425 252.4 | |
| percent match ATV/NTSC | 99.5 98.6 | |

Analysis of: 19N AL HUNTSVILLE

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 882813 24486.4 | |
| lost to NTSC IX | 25634 997.5 | |
| lost to additional IX by ATV | 9626 426.3 | |
| lost to all IX | 35260 1423.8 | |

Analysis of: 59A AL HUNTSVILLE
HAAT 533.0 m, ATV ERP 200.0

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 900643 25077.7 | |
| lost to NTSC IX | 3701 132.7 | |
| lost to additional IX by ATV | 532 20.1 | |
| lost to ATV IX only | 788 32.2 | |
| lost to all IX | 4233 152.8 | |
| percent match ATV/NTSC | 99.9 99.8 | |

Finished Wed Nov 8 12:44:24; run
476052 calls to Longley-Rice;

time 0: 16:56
path dista nce increment

Analysis of: 16N IL OLNEY

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 259006 16489.4 | |
| not affected by terrain losses | 258951 16485.4 | |
| lost to NTSC IX | 1424 80.1 | |
| lost to additional IX by ATV | 13704 348.5 | |
| lost to all IX | 15128 428.7 | |

Analysis of: 19A IL OLNEY
HAAT 262.0 m, ATV ERP 57.8

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 258950 16485.4 | |
| not affected by terrain losses | 258950 16485.4 | |
| lost to NTSC IX | 1350 248.4 | |
| lost to additional IX by ATV | 3377 12 | |
| lost to ATV IX only | 3421 20 | |
| lost to all IX | 4727 260.4 | |
| percent match ATV/NTSC | 98.2 98.5 | |

Analysis of: 19N AL HUNTSVILLE

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 882813 24486.4 | |
| lost to NTSC IX | 25634 997.5 | |
| lost to additional IX by ATV | 9763 430.4 | |
| lost to all IX | 35397 1427.8 | |

Analysis of: 59A AL HUNTSVILLE
HAAT 533.0 m, ATV ERP 200.0

| | POPULATION AREA (sq km) | |
|--------------------------------|-------------------------|--|
| within Noise Limited Contour | 935592 26493.4 | |
| not affected by terrain losses | 900643 25077.7 | |
| lost to NTSC IX | 3701 132.7 | |
| lost to additional IX by ATV | 532 20.1 | |
| lost to ATV IX only | 788 32.2 | |
| lost to all IX | 4233 152.8 | |
| percent match ATV/NTSC | 99.9 99.8 | |

Finished Mon Nov 13 09:31:58; run
466876 calls to Longley-Rice;

time 0: 16:45
path dista nce increment